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Appendix 'F' to: Concept
of Operations for the
Isaiah/Jackson Programme

LOGISTICAL REQUIREMENTS

Personnel and Equipment

1. The following figures show the requirement for personnel and equipment in order to support a detachment. The figures are only approximate as they will vary somewhat depending upon the degree of support that is forthcoming from a particular base. For planning purposes it should be assumed that these are minimum requirements.

(a) To support one U-2 for one Mission:

- | | |
|---------------------------------|-------------|
| (i) Personnel | 41 |
| (ii) Equipment for forward base | 23,000 lbs. |
| (iii) Staging equipment | 4,000 lbs. |

(b) To support two U-2's for 30 days/10 missions:

- | | |
|---------------------------------|-------------|
| (i) Personnel | 45 |
| (ii) Equipment for forward base | 27,000 lbs. |
| (iii) Staging equipment | 4,000 lbs. |

Several of the items of equipment are of large dimensions; there is therefore a need to use transport aircraft which have not only sufficient range but also a large and heavy loading capability.

Prepositioning of Fuel

2. The U-2 uses a special type of fuel (Milspec 25524A) and so there is a requirement to position stocks of this at all staging and forward bases prior to deployment. Stocks of this fuel are held in Germany and in Japan. The fuel is contained in 55 gallon drums (50 gallons useable) at approximately 405 lbs. per drum; these are transported, normally, by air to the base or bases as required and the fuel is pumped directly from the drum into the U-2. The full fuel load is 1545 gallons, i.e. 31 drums (12,555 lbs.)

3. Particulars of the amount of fuel required to satisfy the two types of deployment under review are shown hereunder, both in terms of the weight for airlift and of the number of drums for storage,

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for both staging and forward bases:

- (a) The amount of fuel required at a base to support one U-2 for one mission: equivalent of two full loads (allowing for return flight):

62 drums, 25,110 lbs.

- (b) Required to support two U-2's for 10 missions: equivalent of twelve full loads (allowing for return flights):

372 drums, 150,660 lbs.

- (c) Required at each staging base: two full loads for each U-2 staging through (allowing for return flight):

62 drums, 25,110 lbs.

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